

PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE MELBOURNE FL
221 PM EDT THU OCT 1 2015

...SEPTEMBER 2015 WAS WARMER THAN NORMAL WITH VARIABLE PRECIPITATION AMOUNTS ACROSS EAST CENTRAL FLORIDA...

TEMPERATURES REMAINED WARMER THAN NORMAL FOR MOST OF SEPTEMBER WITH A FEW SLIGHTLY COOLER DAYS DUE TO INCREASED CLOUD COVER AND RAINFALL OVER THE REGION. LIMITED DRIER PERIODS OCCURRED DURING THE MONTH WITH SHOWERS AND THUNDERSTORMS DEVELOPING MOST AFTERNOONS. DUE TO THE SCATTERED NATURE OF THESE STORMS SOME AREAS ACROSS THE CENTRAL AND NORTHERN PORTIONS OF EAST CENTRAL FLORIDA SAW LOWER THAN NORMAL PRECIPITATION AMOUNTS...WHILE A HEAVIER RAINFALL EVENT MID MONTH HELPED LEAD TO ABOVE NORMAL TOTALS OVER MUCH OF OKEECHOBEE COUNTY AND THE TREASURE COAST.

.TEMPERATURES...

HIGH TEMPERATURES MOST DAYS IN SEPTEMBER REACHED THE UPPER 80S AND LOW 90S ACROSS THE REGION WITH OVERNIGHT LOWS TYPICALLY IN THE LOW TO MID 70S. THIS RESULTED IN DAILY AVERAGE TEMPERATURE DEPARTURES THAT WERE AROUND A FEW DEGREES ABOVE NORMAL FOR MUCH OF THE MONTH. A WEAK FRONTAL BOUNDARY THAT MOVED INTO THE STATE ON THE 13TH HELPED INCREASE RAINFALL AND CLOUD COVER OVER THE AREA THROUGH MID SEPTEMBER WITH SLIGHTLY COOLER THAN NORMAL CONDITIONS DURING THIS PERIOD.

AVERAGE MONTHLY TEMPERATURE DEPARTURES FOR DAYTONA BEACH...ORLANDO AND MELBOURNE RANGED BETWEEN A HALF DEGREE TO A DEGREE ABOVE NORMAL. HOWEVER VERO BEACH WAS THE EXCEPTION WITH A DEPARTURE OF 1.5 DEGREES ABOVE NORMAL...RANKING AS THEIR SECOND WARMEST SEPTEMBER ON RECORD.

DAILY RECORD TEMPERATURES FOR THE MONTH:

DAYTONA BEACH:

-SEPTEMBER 13TH: TIED RECORD COOL HIGH OF 78 DEGREES LAST SET IN 2001.

ORLANDO:

-SEPTEMBER 2ND: TIED RECORD WARM LOW OF 77 DEGREES LAST SET IN 2008.

VERO BEACH:

-SEPTEMBER 12TH: RECORD HIGH OF 93 DEGREES. PREVIOUS RECORD WAS 92 SET IN 2005.

-SEPTEMBER 30TH: RECORD HIGH OF 93 DEGREES. PREVIOUS RECORD WAS 92 SET IN 1998.

AVERAGE TEMPERATURE VALUES FOR SEPTEMBER 2015 AT THE FOUR PRIMARY CLIMATE SITES ACROSS EAST CENTRAL FLORIDA ARE AS FOLLOWS (RANKINGS PROVIDED IF IN THE TOP 10):

-DAYTONA BEACH HAD AN AVERAGE MONTHLY TEMPERATURE OF 80.3 DEGREES FAHRENHEIT, WHICH WAS 0.8 DEGREES ABOVE NORMAL.

-ORLANDO HAD AN AVERAGE MONTHLY TEMPERATURE OF 81.8 DEGREES FAHRENHEIT, WHICH WAS 0.7 DEGREES ABOVE NORMAL.

-MELBOURNE HAD AN AVERAGE MONTHLY TEMPERATURE OF 81.2 DEGREES FAHRENHEIT, WHICH WAS 0.6 DEGREES ABOVE NORMAL. THIS TIED WITH 1989 AND 1951 AS THE 9TH WARMEST SEPTEMBER ON RECORD FOR THIS SITE.

-VERO BEACH HAD AN AVERAGE MONTHLY TEMPERATURE OF 82.1 DEGREES FAHRENHEIT, WHICH WAS 1.5 DEGREES ABOVE NORMAL. THIS TIED WITH 1988 AS THE 2ND WARMEST SEPTEMBER ON RECORD FOR THIS SITE.

.RAINFALL...

EARLY IN SEPTEMBER A MORE TYPICAL WET SEASON PATTERN PERSISTED WITH ISOLATED TO SCATTERED SHOWERS AND STORMS DEVELOPING ALONG THE SEA BREEZE BOUNDARIES DURING THE AFTERNOON AND EVENING HOURS. TOWARD MID MONTH...MOISTURE INCREASED AHEAD OF AN APPROACHING FRONTAL BOUNDARY LEADING TO HIGHER COVERAGE OF RAINFALL ON THE 12TH AND 13TH AS THE FRONT MOVED ACROSS THE REGION. MOISTURE LINGERED AND CONTINUED TO BUILD ACROSS THE AREA AS THIS BOUNDARY STALLED ACROSS THE PENINSULA AND DEEPER ELEVATED EASTERLY FLOW DEVELOPED. THIS PRODUCED HIGHER COVERAGE OF ONSHORE MOVING SHOWERS AND STORMS FROM THE 15TH THROUGH THE 17TH WITH LOCALLY HEAVY RAINFALL AND FLOODING ISSUES OCCURRING ACROSS PORTIONS OF THE REGION...ESPECIALLY ALONG THE TREASURE COAST. HIGHEST RAINFALL TOTALS OF 8 TO 12 INCHES FELL DURING THIS TIME FRAME ALONG THE COASTLINE OF SAINT LUCIE AND MARTIN COUNTIES. A DRIER PERIOD WITH LOWER PRECIPITATION COVERAGE SOON FOLLOWED AND THEN AN INCREASE IN SHOWERS AND STORMS RETURNED LATE MONTH AS A TROPICAL DISTURBANCE LIFTED NORTHWARD OVER THE EASTERN GULF OF MEXICO.

RAINFALL TOTALS IN SEPTEMBER WERE MOSTLY ABOVE NORMAL ACROSS OKEECHOBEE COUNTY AND THE TREASURE COAST WHILE FARTHER NORTH NEAR TO BELOW NORMAL RAINFALL OCCURRED.

SEPTEMBER 2015 RAINFALL TOTALS FOR THE FOUR PRIMARY CLIMATE SITES ACROSS EAST CENTRAL FLORIDA ARE AS FOLLOWS (RANKINGS PROVIDED IF IN THE TOP 10):

-DAYTONA BEACH RECEIVED 5.40 INCHES OF RAIN FOR THE MONTH, WHICH WAS 1.56 INCHES BELOW NORMAL.

-ORLANDO RECEIVED 5.98 INCHES OF RAIN FOR THE MONTH, WHICH WAS 0.08 INCHES BELOW NORMAL.

-MELBOURNE RECEIVED 5.22 INCHES OF RAIN FOR THE MONTH, WHICH WAS 2.42 INCHES BELOW NORMAL.

-VERO BEACH RECEIVED 8.52 INCHES OF RAIN FOR THE MONTH, WHICH WAS 1.73 INCHES ABOVE NORMAL.

BELOW IS A LIST OF OBSERVED PRECIPITATION TOTALS AND RAINFALL STATISTICS FOR SELECT SITES ACROSS EAST CENTRAL FLORIDA FOR SEPTEMBER 2015:

STATION	SEPTEMBER 2015 RAINFALL	NORMAL RAINFALL	DEPARTURE FROM NORMAL	PERCENT OF NORMAL
DAYTONA BEACH (DAB)	5.40"	6.96"	-1.56"	78%
ORLANDO (MCO)	5.98"	6.06"	-0.08"	99%
MELBOURNE (MLB)	5.22"	7.64"	-2.42"	68%
VERO BEACH (VRB)	8.52"	6.79"	+1.73"	125%
CLERMONT (CLRF1)	3.68"	5.09"	-1.41"	72%
LEESBURG (KLEE)	5.85"	6.15"	-0.30"	95%
DELAND (DELF1)	6.63"	7.60"	-0.97"	87%
SANFORD (SFNF1)	6.50"	5.64"	+0.86"	115%
TITUSVILLE (TITF1)	9.28"	7.07"	+2.21"	131%
FORT PIERCE (FPCF1)	10.82"	7.69"	+3.13"	141%
STUART (STRF1)	9.36"	8.91"	+0.45"	105%

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[HTTP://WEATHER.GOV/MELBOURNE](http://weather.gov/melbourne) AND CLICK ON THE "LOCAL" LINK UNDER
 THE CLIMATE SUBSECTION ON THE LEFT SIDE OF THE PAGE.